

DYNACAP – Double Layer Capacitor

DC, DCK Series

This coin-style memory back-up capacitor is ideal for use in devices requiring low-profile design. Select from diameters of 6.8mm, 11.0mm and 18.3mm, with from 0.18 to 2.2F capacitance. This is excellent choice for miniature and sub-miniature applications such as pagers and cellular phones.



Construction and Dimensions

Series	CAP (F)	ØD x L (mm)
DC	0.18	6.8 x 2.1
	0.33	11.0 x 1.6
	2.2	18.3 x 2.0
DCK	0.22	6.8 x 2.1

Specifications	Performance				
Series	Series DC			Series DCK	
Temperature range (°C)	-25 to +70			-10 to +60	
Capacitance tolerance (%)	-20 to +80			-20 to +80	
Internal resistance at 1KHz	Capacitance (F)	0.18	0.33	2.2	0.22
	Internal resistance (Ω)	120	40	20	200
Stability at low & high temperature	Change in capacitance	Within ±30% of value at 20°C			
	Internal resistance	Less than five times of the value at 20°C			
Endurance (DC: 70°C, DCK: 60°C)	Test time	1000 hrs			
	Change in capacitance	Within ±30% of the initial measured value			
	Internal resistance	Within four times the initial specified value			
Max. storage temp. (DC: 70°C, DCK: 60°C)	Test time 1000hrs. Same as Endurance				

Standard Ratings

ELNA Part No.	Rated Volt (V)	Capacitance (F)	Internal Resistance (Ω)
DC-2R5D184	2.5	0.18	≤120
DC-2R4D334	2.4	0.33	≤40
DC-2R4D225	2.4	2.2	≤20
DCK-3R3D224	3.3	0.22	≤200